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T-362 P-001 F-111



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Examiner: **Jason D. Recek**
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U.S. Serial No.: **10/786,313**
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Per our discussion, here is a proposed draft office action response for our telephone conversation to be scheduled for June 2, 2009 at 11:00 a.m.

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PATENT

Application No.: 10/786,313

Office Action Dated: March 17, 2009

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A method for projecting content from a sender device to an alternate display device, the method comprising:
 - discovering in the sender device, at least one of a plurality of alternate display devices by using a meeting room multimoon (MRM) service comprising one of (A) a wireless Universal Plug and Play (UPnP) search or (B) listening for a wireless advertisement emitted by the at least one of the plurality of alternate display devices;
 - establishing a remote session, via a remoting protocol, between the sender device and the at least one alternate display device, the establishing comprising:
 - receiving in the sender device, a service document of the at least one alternate display device;
 - generating in the sender device, a ticket that provides information on a) how to connect to the sender device and b) which one amongst a plurality of projection modes is to be used; and
 - sending the ticket from the sender device to the at least one alternate display device; and
 - transmitting from the sender device to the at least one alternate display device, said content that is rendered thereon, on the at least one alternate display device.
2. (Canceled)
3. (Previously presented) A method according to claim 1, wherein the remoting protocol is the remote desktop protocol and the remote session is a terminal services (TS) session.
4. (Original) A method according to claim 1, further comprising authoring said content.
5. (Original) A method according to claim 4, further comprising publishing said content.

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6. (Previously Presented) A method according to claim 5, wherein content authored before said publishing comprises private content and public content.
7. (Original) A method according to claim 4, wherein said authoring includes designating via a second user interface mechanism at least one portion of the content as private content.
8. (Original) A method according to claim 7, wherein said authoring includes designating at least one alteration of said public content as private content.
9. (Original) A method according to claim 8, wherein said authoring includes designating at least one of a masking, a deletion, an annotation and a highlighting of said content as private content.
10. (Original) A method according to claim 1, wherein the content is substantially simultaneously displayed on the at least one alternate display device in response to said transmitting.
11. (Previously Presented) A method according to claim 1, further comprising controlling the display of a public portion of the content, on said at least one alternate display device via a second user interface mechanism on said sender device.
12. (Previously Presented) A method according to claim 11, wherein said controlling includes controlling a rate of viewing of said content via at least one input device of said sender device.
13. (Original) A method according to claim 1, wherein said content is a slide presentation.
14. (Previously Presented) A method according to claim 1, further including, for each remote session between the sender device and the at least one alternate display device, displaying via a second user interface mechanism an indication of a signal strength associated with the remote session.

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15. (Previously Presented) A method according to claim 1, wherein said transmitting includes transmitting only a public portion of said content, to the at least one alternate display device.
16. (Previously presented) A computer readable storage medium comprising computer executable modules having computer executable instructions for carrying out the method of claim 1.
17. (Original) A computing device comprising means for performing the method of claim 1.
18. (Canceled)
19. (Previously Presented) A computer readable storage medium comprising computer executable instructions for implementing a method of interfacing with a user of a computing device having content including at least one public portion and at least one private portion capable of being projected to other computing devices, the method comprising:
 - displaying a user interface on the computing device;
 - selecting via the user interface the content including the at least one public portion;
 - establishing a remote session, via a remoting protocol, between the computing device and at least one of the other computing devices, the establishing comprising:
 - generating in the computing device, a ticket that provides information on
 - a) how to connect to the computing device and b) which one amongst a plurality of projection modes is to be used; and
 - sending the ticket from the computing device to the at least one of the other computing devices; and
 - via said user interface, transmitting at least said at least one public portion of the selected content to the other computing devices, whereby when said content is rendered

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on at least one of the other computing devices, only the at least one public portion is rendered.

20. (Previously presented) A computer readable storage medium according to claim 19, further comprising generating a first content version including the at least one public portion and altering said first content version thereby forming a second content version, whereby the difference in display between said first and second content versions comprises said at least one private portion.
21. (Previously presented) A computer readable storage medium according to claim 20, wherein said generating includes publishing said at least one public portion.
22. (Previously presented) A computer readable storage medium according to claim 21, wherein said computing device is a stylus pen input device and said publishing includes printing said at least one public portion to a journal.
23. (Previously presented) A computer readable storage medium according to claim 20, wherein said altering includes at least one of adding to, masking, highlighting, annotating and deleting from said first content version.
24. (Previously presented) A computer readable storage medium according to claim 19, further comprising using a session token for controlling the at least one of the other computing devices.
25. (Previously presented) A computer readable storage medium according to claim 19, further comprising placing said computing device in an "available for discovery" state.
26. (Previously Presented) A computer readable storage medium according to claim 19, further comprising displaying a client projection window which shows said at least one public portion.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Ravipal S. Soin Confirmation No.: **3447**
Application No.: **10/786,313** Group Art Unit: **2442**
Filing Date: **February 25, 2004** Examiner: **Jason D. Recek**
For: **Systems and Methods for Projecting Content From Computing Devices**

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REPLY PURSUANT TO 37 CFR § 1.116

In response to the Official Action dated **March 17, 2009**, reconsideration is respectfully requested in view of the amendments and/or remarks as indicated below:

- ☐ **Amendments to the Specification** begin on page of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of the claims which begins on page 2 of this paper.
- ☐ **Amendments to the Drawings** begin on page of this paper and include an attached replacement sheet.
- ☒ **Remarks** begin on page 113 of this paper.

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27. (Previously presented) A computer readable storage medium according to claim 19, further comprising *rendering* said at least one private portion and said at least one public portion on said computing device, whereby in response to said transmitting, the at least one public portion rendered on said at least one of the other computing devices is rendered substantially simultaneously with said at least one public portion and said at least one private portion rendered on said computing device.
28. (Previously presented) A computer readable storage medium according to claim 19, further comprising controlling the rendering of the at least one public portion on said at least one of the other computing devices via said user interface.
29. (Previously presented) A computer readable storage medium according to claim 28, wherein said controlling includes controlling a rate of viewing of said at least one public portion via at least one input device of said computing device.
30. (Previously presented) A computer readable storage medium according to claim 28, wherein said controlling correspondingly controls rendering of said at least one public portion and said at least one private portion on said computing device.
31. (Previously presented) A computer readable storage medium according to claim 19, wherein said transmitting comprises utilizing a communication and collaboration API for operating a multi-shadowing session whereby a 1:N projection is carried out upon N other computing devices.
32. (Previously presented) A computer readable storage medium according to claim 19, wherein the other computing devices include at least one of (A) at least one projector device and (B) at least one available other notebook computer.
33. (Currently amended) A server computing device for projecting content from the server computing device to at least one client display device capable of *rendering* the content substantially simultaneously with the rendering of the content on said server computing

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device, comprising:

a user interface mechanism for selecting content for transmission to the at least one client display device, wherein said content includes public content and private content, and wherein said user interface mechanism is configured to provide an option for: a) disabling transmission of the private content to the at least one client device, or b) enabling transmission of the private content and the public content to the at least one client display device;

means for discovering the at least one client display device by receiving a wireless "available for discovery" signal transmitted by the at least one client display device, wherein the wireless "available for discovery" signal is transmitted by the at least one client display device only when the at least one client display device is placed in an "allow others to project" state to enable receiving of projected content;

means for establishing a remote session, via a remotng protocol, between the server computing device and the at least one client display device; and

a transmitter component for sending ~~at least the public content~~ of the content selected by said user interface mechanism to the at least one client display device; ~~whereby when said content is rendered on the at least one client display device, only the public content is rendered, and substantially simultaneously, both the public content and the private content are displayed on said server computing device.~~

34. (Original) A server computing device according to claim 33, further comprising an authoring tool for authoring said content.
35. (Original) A server computing device according to claim 34, further comprising a publishing tool for publishing said content.
36. (Currently amended) A server computing device according to claim 35, wherein content authored with said authoring tool before said publishing comprises an annotation that is inserted into an imported document without changing the public content in the imported document, and wherein said authoring tool is operable to designate said annotation as

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~~private content that is not transmitted to the at least one client device, is said public content and wherein at least one alteration to said public content after publishing with the publishing tool is said private content.~~

37-39. (Canceled)

40. (Original) A server computing device according to claim 33, wherein the rendering of the public content on said at least one client display device is controlled via said user interface mechanism.
41. (Original) A server computing device according to claim 40, wherein said control of the rendering includes control of a rate of display of said content.
42. (Original) A server computing device according to claim 33, wherein said content is a slide presentation.
43. (Currently amended) A server computing device according to claim 33, wherein said transmitter component ~~transmits~~ is configured to disable the transmission of private content to the at least one client device and transmit only said public content of the selected content to the at least one client display device.
44. (Currently amended) A computing device for projecting content to at least one alternate display device capable of receiving the content, comprising:
a user interface component for selecting content for transmission to the at least one alternate display device, wherein said content includes public content and private content;
means for discovering the at least one client display device by receiving a wireless "available for discovery" signal transmitted by the at least one alternate display device, wherein the wireless "available for discovery" signal is transmitted by the at least one alternate display device only when the at least one alternate display device is placed in an "allow others to project" state to enable receiving of projected content;

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means for establishing a remote session, via a remoting protocol, between the computing device and the at least one alternate display device;

means for displaying on said computing device said content including both said public content and said private content; and

means for disabling or enabling transmission of said private content to the at least one alternate display device while transmitting at least said public content of the selected content to the at least one alternate display device, ~~whereby when said content is rendered on the at least one alternate display device, only the public content is rendered substantially in synchronization with the display of said public content on said computing device by said means for displaying.~~

45. (Original) A computing device according to claim 44, further comprising means for publishing said content, wherein content authored before publishing by said means for publishing is said public content and wherein at least one alteration to said public content after said publishing is said private content.
46. (Original) A computing device according to claim 44, wherein said user interface component includes means for designating at least one portion of the content as private content.
- 47-48. (Canceled)
49. (Currently amended) A computer readable storage medium comprising computer executable modules comprising computer executable instructions for implementing a method of interfacing with a computing device having content including at least one public portion and at least one private portion capable of being projected to other computing devices, the modules comprising:
- a user interface component for selecting the content;

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means for discovering the at least one client display device by receiving a wireless "available for discovery" signal transmitted by the at least one client display device, wherein the wireless "available for discovery" signal is transmitted by the at least one client display device only when the at least one client display device is placed in an "allow others to project" state to enable receiving of projected content;

means for establishing a remote session, via a remoting protocol, between the computing device and the at least one alternate display device; and

means for ~~disabling or enabling transmission of said private content to the other computing devices while permitting transmission of~~ transmitting at least said at least one public portion of the selected content to the other computing devices, whereby when said content is rendered on at least one of the other computing devices, only the at least one public portion is rendered.

50. (Previously presented) A computer readable storage medium according to claim 49, further comprising:

means for generating a first content version of the content including the at least one public portion; and

means for altering said first content version to form a second content version, whereby the difference in display between said first and second content versions comprises said at least one private portion.

51. (Previously presented) A computer readable storage medium according to claim 50, wherein said means for generating includes means for publishing said at least one public portion.

52. (Previously presented) A computer readable storage medium according to claim 50, wherein said means for altering includes at least one of a means for adding to, a means

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for masking, a means for highlighting, a means for annotating and a means for deleting from said first content version.

53. (Previously presented) A computer readable storage medium according to claim 49, wherein said user interface component comprises means for designating said at least one private portion.
54. (Previously presented) A computer readable storage medium according to claim 49, further comprising means for rendering said at least one private portion and said at least one public portion on a display of said computing device, whereby in response to operation of said means for transmitting, the at least one public portion rendered on said at least one of the other computing devices is rendered substantially simultaneously with said at least one public portion and said at least one private portion rendered on said computing device.
55. (Previously presented) A computer readable storage medium according to claim 49, wherein said user interface component comprises means for controlling the rendering of the at least one public portion on said at least one of the other computing devices.
56. (Previously presented) A computer readable storage medium according to claim 55, wherein said means for controlling substantially synchronizes the rendering of said at least one public portion and said at least one private portion on said computing device with the rendering of said at least one public portion on said at least one of the other computing devices.
57. (New) A server computing device according to claim 33, wherein said user interface mechanism provides an option to turn off a distinction between the private and public

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content for enabling transmission of both private and public content to the at least one client device.

58. (New) A server computing device according to claim 36, wherein said annotation is a note that is made using a tablet pen.
59. (New) A computing device according to claim 45, wherein publishing said content comprises transferring said content to a device configured to accommodate entry of notes upon said content.
60. (New) A computing device according to claim 59, wherein transferring of said content to said device comprises a) executing an import command on said device, b) executing a print command on another device, or c) executing a drag-and-drop operation on said content.
61. (New) A computing device according to claim 59, wherein said device is a Tablet PC configured to execute MICROSOFT WINDOWS JOURNAL.

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REMARKS

This is a full and timely response to the final Office Action mailed March 17, 2009. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

Present Status of Patent Application

Claims 1, 3-17, 19-36, 40-46, and 49-61 are currently pending. Of these pending claims, claims 4, 5, 7-10, 13, 17, 34, 35, 40-42, 45, and 46 are original claims; claims 33, 36, 43, 44, and 49 have been currently amended without introduction of new matter; claims 1, 3, 6, 11, 12, 14-16, 19-32, and 50-56 have been previously presented; claims 2, 18, 37-39, 47, and 48 are canceled without prejudice, waiver, or disclaimer; and claims 57-61 are new claims that are submitted without introduction of new matter. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

The subject matter of the current claim amendments and the new claims has been described in various portions of Applicants' original specification, for example, in paragraphs [0145], and [0148] through [0151].

Indication of Allowability

Applicants wish to express their sincere gratitude towards Examiner for indicating that claims 1, 3-17 and 19-32 are allowable.

Claim Rejections under 35 U.S.C. §103

Statement of the Rejection

Claims 33-48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zhang in view of Masumoto, Parsons Jr., Acharya and in further view of Salonidis et al. US 2003/0096576 A1.

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Response to the Rejection

Claim 33

Applicants respectfully traverse the rejection of claim 33 under 35 U.S.C. 103 for various reasons. For example, attention is drawn to page 6 of the Office action wherein it is asserted that it *"would have been obvious to one of ordinary skill in the art at the time of the invention to modify Zhang by incorporating the public/private data distinction as taught by Masumoto for the purpose of giving a more effective presentation."* Applicants respectfully point out that claim 33 is a device claim and as such, a proper rejection requires identification of prior art device elements that teach or anticipate the various device elements recited in the claim. Consequently, while it may indeed be reasonable to incorporate *"public/private data distinction as taught by Masumoto for the purpose of giving a more effective presentation,"* a proper rejection should disclose where in Masumoto (or elsewhere) can be found a *"user interface mechanism"* that is part of a server device, more so one as specifically recited in Applicants' claim 33. As can be appreciated, a *"public/private data distinction"* can be implemented in various ways. For example, a processor can perform this function as part of a background process without providing any visibility or control of this process to a user (via a user interface).

Notwithstanding the remarks above, Applicants have opted to currently amend claim 33 in an effort to obtain early allowance of claim 33 along with the other pending/allowed claims.

As amended, the claim now recites that the user interface mechanism is *"configured to provide an option for: a) disabling transmission of the private content to the at least one client device, or b) enabling transmission of the private content and the public content to the at least one client display device."* This user interface mechanism, which is a part of a server computing device, enables the server device to provide to a user of the user interface mechanism the option to decide if the user wishes to transmit to a client display device, either just the public portion or both the public and the private portions of the content.

In contrast, the cited art of Masumoto discloses a PC (assuming *arguendo* that this PC is a server device) that always transmits both the public and private portions to a client device (display device). The display device then uses a *"designated data deletion unit 205"* to remove

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the private portion ("designated data") and display only the public portion. In other words, Masumoto's PC (server) does not provide to a user, an option to selectively transmit to the client display device, just the public portion without the private portion being included.

To elaborate upon the deletion capability of Masumoto's projector (i.e. the client device), attention is drawn to Masumoto's Figs. 7 and 9 and the corresponding description. Specifically, col. 5, lines 64-66 teach: "*The designated data deletion unit 205 deletes parts corresponding to the designated data from the slide data analyzed by the file analysis unit 203.*" (deletion based on color, font etc.)

Incidentally, it may be pertinent to point out in the interests of explaining Masumoto's invention in some further detail, that the *image expansion compression unit 206* contained in Masumoto's projector 200 loops back the public + private portions to PC 100 for displaying both these portions in the PC. Towards this end, Masumoto col. 6, lines 59-67 teaches: "*On the other hand, the image expansion compression unit 206 expands the slide data before being deleted of the designated data by the designated data deletion unit 205 into image data and compresses the image data by using a compression format such as JPEG. The compressed data is transmitted to the PC 100 via the communication unit 201. The image data to be transmitted to the PC 100 is compressed because (a) a slight deterioration in image quality is acceptable as the image displayed by the display unit 102...*".

In view of the remarks above, Applicants respectfully submit that neither Masumoto nor the other cited art, individually and/or combinedly, teach or suggest various elements of the server device as recited in Applicants' amended claim 33. Consequently, Applicants request withdrawal of the rejection followed by allowance of claim 33.

Claims 34-36 and 40-43

Applicants respectfully traverse the rejection of claims 34-36 and 40-43 for various reasons. For example, in rejecting Applicants' claim 43, the Office action justifies the rejection by asserting "*Masumoto teaches "hiding" the private content rather than not transferring it however the result is the same either way.*" Applicants respectfully point out that claim 43 is directed to "*a server computing device*" and not a method for transferring content. Hence a

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proper rejection should disclose where in the cited art can be found "a transmitter component" (device element) as recited in the claim rather than alluding to a functionality ("hiding" the private content) that can be implemented by a variety of devices, including a device other than a transmitter. Consequently, Applicants respectfully assert that the current rejection of claim 43 is improper and must be withdrawn.

It will be further pertinent to point out that each of claims 34-36 and 40-43 are dependent directly or indirectly on claim 33, which is allowable based on arguments presented above, thereby making claims 34-36 and 40-43 also allowable by law.

Consequently, in view of the remarks above, Applicants respectfully request withdrawal of the rejection followed by allowance of these claims.

Claims 37-39

Applicants have opted to cancel claims 37-39 and respectfully submit that the rejection of these claims has been rendered moot as a result of the cancellation.

Claim 44

Applicants respectfully traverse the rejection of claim 44 under 35 U.S.C. 103 for various reasons. However, in an effort to obtain early allowance of all pending claims, Applicants have opted to amend claim 44, which currently includes: "*means for disabling or enabling transmission of said private content to the at least one alternate display device while transmitting said public content to the at least one alternate display device.*"

Though the scope of claims 33 and 44 are different from one another, several remarks provided above in response to the rejection of claim 33 are equally pertinent to the rejection of claim 44 as well. However, in the interests of brevity these remarks will not be repeated herein. In short, Applicants respectfully submit that the cited art, individually and/or combinedly, fails to teach or disclose various parts of Applicants' amended claim 44. Consequently, Applicants request withdrawal of the rejection followed by allowance of claim 44.

Claims 45 and 46

Applicants respectfully submit that claims 45 and 46 are allowable for several reasons. One among these several reasons arises from the fact that these claims are each dependent on

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claim 44, which is allowable based on arguments presented above, thereby making claims 45 and 46 allowable by law. Consequently, Applicants respectfully request withdrawal of the rejection followed by allowance of these claims.

Claims 47 and 48

Applicants have opted to cancel claims 47 and 48 and respectfully submit that the rejection of these claims has been rendered moot as a result of the cancellation.

Claim 49

Applicants respectfully traverse the rejection of claim 49 under 35 U.S.C. 103 for various reasons. However, in an effort to obtain early allowance of all pending claims, Applicants have opted to amend claim 49, which currently includes: *"means for disabling or enabling transmission of said private content to the other computing devices while permitting transmission of said at least one public portion of the selected content to the other computing devices."*

Though the scope of claims 33 and 49 is different from one another, several remarks provided above in response to the rejection of claim 33 are equally pertinent to the rejection of claim 49 as well. However, in the interests of brevity these remarks will not be repeated herein. In short, Applicants respectfully submit that the cited art, individually and/or combinedly, fails to teach or disclose various parts of Applicants' amended claim 49. Consequently, Applicants request withdrawal of the rejection followed by allowance of claim 49.

Claims 50-56

Applicants respectfully submit that claims 50-56 are allowable for several reasons. One among these several reasons arises from the fact that these claims are each dependent on claim 49, which is allowable based on arguments presented above, thereby making claims 50-56 allowable by law. Consequently, Applicants respectfully request withdrawal of the rejection followed by allowance of these claims.

Cited Art Made of Record

The cited art made of record has been considered, but is not believed to affect the

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patentability of the presently pending claims.

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CONCLUSION

Applicant respectfully submits that all pending claims are allowable. Favorable reconsideration and allowance of the present application is hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned representative.

Date:

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